

GENERAL NOTES

METRIC PLANS - THESE PLANS ARE DETAILED USING THE METRIC (SI) SYSTEM OF UNITS. DIMENSIONS SHOWN IN THE PLANS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED. ELEVATIONS ARE IN METERS. REINFORCING BARS IN METRIC SIZE DESIGNATIONS SHOWN SHALL BE PROVIDED AS PER ASTM A 615M. IN THE BAR MARK, THE FIRST TWO DIGITS ARE THE METRIC BAR SIZE (I.E., BAR 1314 IS A NO. 13 METRIC SIZE BAR).

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 1995 METRIC EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.

CHAMFER - ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 19 mm UNLESS OTHERWISE NOTED.

EXISTING BRIDGE PLANS - PLANS FOR EXISTING BRIDGE MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 656-5401. THE EXISTING BRIDGE WAS BUILT UNDER PROJECT NUMBER I-285-(40)110.

DIMENSIONS AND ELEVATIONS - ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR BUILDING FORMS. LIGHT LINES INDICATE THE EXISTING STRUCTURE AND HEAVY LINES INDICATE THE NEW STRUCTURE.

EPOXY RESIN ADHESIVE - EPOXY RESIN ADHESIVE TYPE II SHALL BE APPLIED TO ALL HARDENED CONCRETE SURFACES JUST PRIOR TO POURING THE CONCRETE FOR THE NEXT STAGE OF CONSTRUCTION, SEE SECTION 886 OF THE GEORGIA STANDARD SPECIFICATIONS. COST OF EPOXY ADHESIVE AND ITS APPLICATION SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

EXISTING REINFORCEMENT - EXISTING REINFORCEMENT TO BE UTILIZED IN NEW CONSTRUCTION SHALL BE BENT IN A MANNER TO PROVIDE THE MAXIMUM LAP POSSIBLE OR AS SHOWN ON THE PLANS. EXISTING REINFORCEMENT SHALL BE THOROUGHLY CLEANED OF CONCRETE SCALE AND RUST BEFORE BONDING INTO NEW CONSTRUCTION.

WELDING - ALL WELDING ON GEORGIA D.O.T. PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE GEORGIA D.O.T. OFFICE OF MATERIALS AND RESEARCH. ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES SHALL BE USED FOR MANUAL SHIELDED METAL ARC WELDING.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DEPARTMENT OF TRANSPORTATION.

INCIDENTAL ITEMS - COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF CLEANING AND BENDING OF EXISTING REINFORCEMENT, JOINT FILLERS, SAW CUT, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

TRAFFIC CONTROL - TRAFFIC LANES SHALL BE AS SHOWN ON THE CONSTRUCTION SEQUENCE.

RESTRICTED TRAFFIC - THE OFFICE OF PERMITS AND ENFORCEMENT (404-635-8529)
SHALL BE CONTACTED 14 DAYS PRIOR TO LANE CLOSURE SO THAT MOBILE HOMES
OR OTHER LARGE LOADS MAY BE REDIRECTED.

STAGED CONSTRUCTION WILL BE REQUIRED IN ORDER TO MAINTAIN TRAFFIC THROUGHOUT THE PROJECT. CONSTRUCTION STAGING PLANS ARE INCLUDED AND ARE FOR GUIDANCE. THE CONTRACTOR MAY ELECT TO DESIGN HIS OWN STAGING PLAN, SUBJECT TO THE APPROVAL OF THE ENGINEER. SEE "SPECIAL PROVISION - SEQUENCE OF OPERATIONS".

SUBSTRUCTURE QUANTITIES, SUCH AS CONCRETE AND REINFORCEMENT, ARE INCLUDED IN THE SUPERSTRUCTURE QUANTITIES.

EXISTING BRIDGE JOINTS - EXISTING BRIDGE JOINTS, OTHER THAN THOSE AT BENTS & 5, SHALL BE CLEANED OF ALL DIRT, REFUSE, AND EXISTING SEALANT, AND SEALED USING SILECO SEALANT (TYPE D) PER SUB-SECTION 461.33 OF THE GEORGIA SPECIFICATIONS. SPALLS JOINTS TO BE RESEALED SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER, BY SQUARE CUTTING TO A MINIMUM DEPTH OF 25 mm, EPOXY COATING THE AREA, AND THEN PATCHING WITH AN APPROVED NON-SHRINK GROUT. COST OF REPAIRS SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

REINFORCING STEEL - ALL REINFORCING STEEL SHALL BE PLACED AND TIED IN ACCORDANCE WITH THE GEORGIA STANDARD SPECIFICATIONS. WELDING OF REINFORCING STEEL WILL NOT BE PERMITTED.

BARRIERS, HANDRAILS, AND/OR GUARDRAILS SHALL BE REMOVED AND REPLACED AS NECESSARY TO OBTAIN ACCESS TO THE JOINTS. SECTION OF BARRIER REPLACED SHALL MATCH EXISTING, AND EXISTING BARRIER REINFORCEMENT SHALL REMAIN. PRIOR TO OPENING ADJACENT LANE TO TRAFFIC, THE HANDRAILS AND/OR GUARDRAILS SHALL BE REPLACED TO ORIGINAL POSITION AND SHALL BE SECURELY ANCHORED TO SUPERSTRUCTURE ACCORDING TO ORIGINAL PLANS. COST SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

PAINTING - ANY DAMAGE TO THE PAINT OF THE BEAMS DURING REMOVAL AND / OR REPLACING OF THE EDGE BEAMS SHALL BE REPAIRED USING SYSTEM VV PAINT SYSTEM. ALL PAINTING SHALL BE IN ACCORDANCE WITH SECTION 535 OF THE GEORGIA SPECIFICATIONS. THE COST OF PAINTING SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

THE CONTRACTOR SHALL FURNISH POLICE OFFICERS AND APPROPRIATE VEHICLES TO ASSIST DURING NIGHTTIME OPERATIONS. COST SHALL BE INCLUDED IN THE PRICE BID FOR TRAFFIC CONTROL.

EDGE BEAM DESIGN DATA

SPECIFICATIONS ----- AASHTO 1996

(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)

TYPICAL MS-18 AND/OR MILITARY LOADING ----- IMPACT ALLOWED

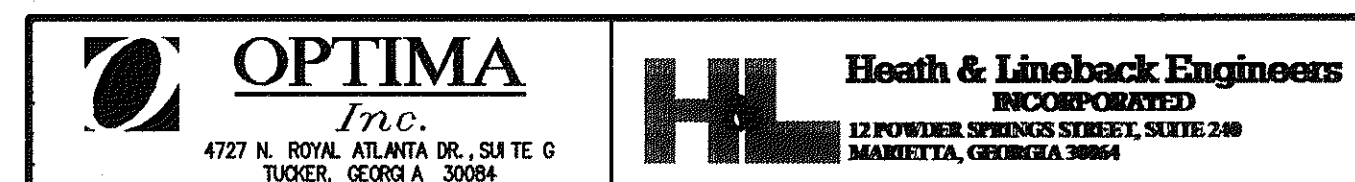
FUTURE PAVING ALLOWANCE ----- 1.44 kN/m²

CONCRETE: SUPERSTRUCTURE ----- CLASS AA, $f'_c = 25 \text{ MPa}$

REINFORCEMENT STEEL: ----- GRADE 420. $f_u = 420$ MPa

BRIDGE NO. 7

WATER MAIN ----- DEKALB COUNTY GA.
GAS MAIN ----- ATLANTA GAS LIGHT
TELEPHONE ----- BELL SOUTH



GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF MAINTENANCE

GENERAL NOTES
JOINT & EDGE BEAM REPLACEMENT ON
S.R. 260 OVER I-285

DEKALB COUNTY, GA. IM-STP-00MS(265)

SCALE: NO SCALE DECEMBER 1999BRIDGE SHEET
2 OF 4

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|--------------------|---------------------------------|----------------|
| DESIGNED <u>GW</u> | CHECKED _____ | REVIEWED _____ |
| DRAWN <u>CAD</u> | DESIGN GROUP <u>MAINTENANCE</u> | APPROVED _____ |